

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102621\
 Data File : VW023039.D
 Acq On : 26 Oct 2021 15:16
 Operator : SY/MD
 Sample : M4277-08DL 4X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFGB4DL

Quant Time: Oct 27 01:33:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102221WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 27 01:29:33 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	130723	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	132371	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	57794	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	51322	4.493	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.800%
7) Chloroethane-d5	1.568	69	28327	4.009	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.200%
11) 1,1-Dichloroethene-d2	2.108	63	52143	3.164	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.200%
20) 2-Butanone-d5	3.889	46	106569	58.159	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.320%
24) Chloroform-d	4.352	84	90449	4.871	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.400%
26) 1,2-Dichloroethane-d4	5.034	65	45546	5.203	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.000%
32) Benzene-d6	5.053	84	197743	5.117	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.400%
36) 1,2-Dichloropropane-d6	6.072	67	60616	5.095	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.000%
41) Toluene-d8	7.320	98	164500	4.739	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.800%
43) trans-1,3-Dichloroprop...	7.625	79	20064	4.813	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.200%
46) 2-Hexanone-d5	8.091	63	73906	47.890	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.780%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	39747	4.839	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.800%
66) 1,2-Dichlorobenzene-d4	11.625	152	59248	5.746	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.000%
Target Compounds						
					Qvalue	
6) Bromomethane	1.523	94	254	0.054	ug/L #	64
8) Chloroethane	1.307	64	701	0.145	ug/L #	1
12) 1,1-Dichloroethene	2.111	96	537	0.080	ug/L #	1
16) Methylene chloride	2.510	84	2662	0.362	ug/L	94
17) Methyl tert-butyl Ether	2.767	73	2776	0.174	ug/L #	88
18) trans-1,2-Dichloroethene	2.770	96	517	0.072	ug/L #	79
22) cis-1,2-Dichloroethene	3.915	96	51686	6.380	ug/L #	90
25) Chloroform	4.381	83	12133	0.699	ug/L	100
27) 1,2-Dichloroethane	5.059	62	1316	0.144	ug/L #	72
34) Trichloroethene	5.924	95	5188	0.580	ug/L	97
35) Methylcyclohexane	6.069	83	14266	1.113	ug/L #	18
37) 1,2-Dichloropropane	6.072	63	6853	0.763	ug/L #	86
39) cis-1,3-Dichloropropene	6.992	75	1264	0.113	ug/L #	30
42) Toluene	7.397	91	7080	0.196	ug/L	98
47) Tetrachloroethene	7.979	164	6045	0.800	ug/L	94
48) 2-Hexanone	8.152	43	5149	1.641	ug/L #	84
49) Dibromochloromethane	7.982	129	5284	0.707	ug/L #	10
61) 1,2,3-Trichloropropane	11.249	75	6079	1.494	ug/L #	64

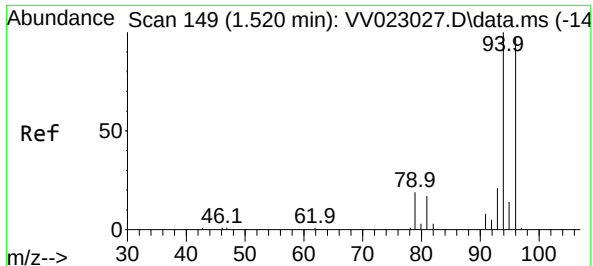
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102621\
Data File : VV023039.D
Acq On : 26 Oct 2021 15:16
Operator : SY/MD
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102221WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Oct 27 01:29:33 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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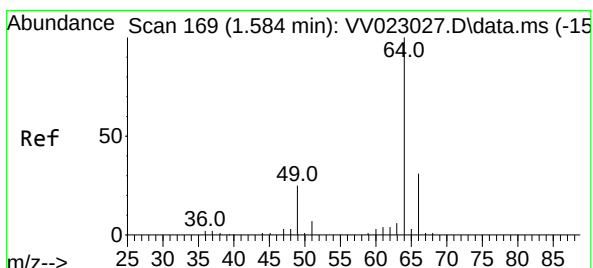
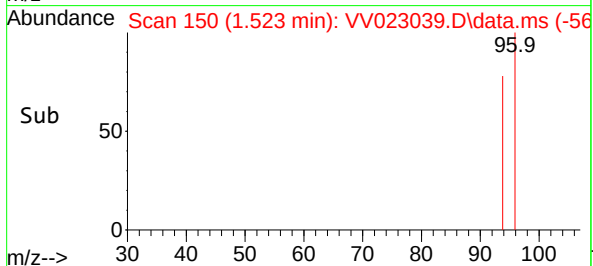
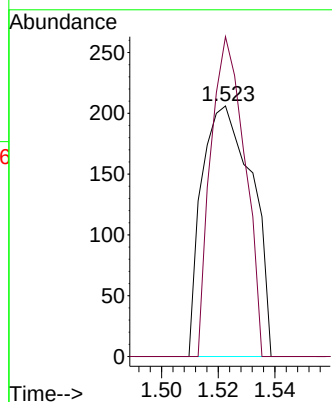
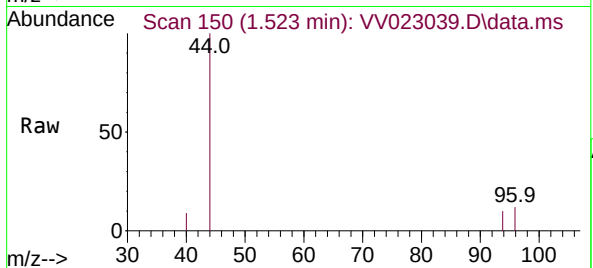
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#6
Bromomethane
Concen: 0.054 ug/L
RT: 1.523 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV023039.D
Acq: 26 Oct 2021 15:16

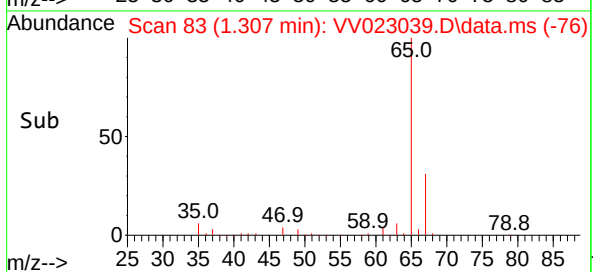
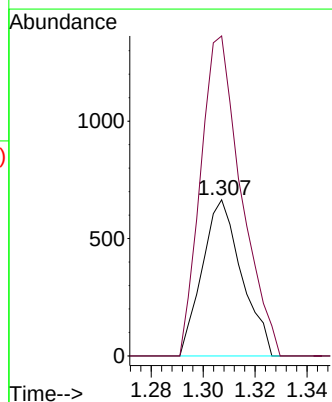
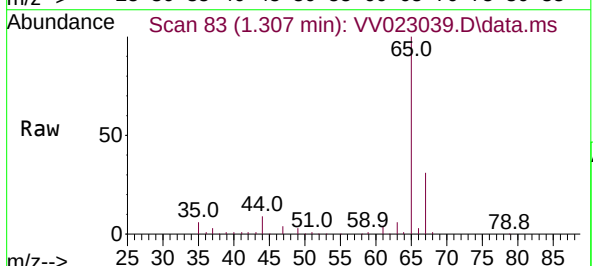
Instrument :
MSVOA_V
ClientSampleId :
BFGB4DL

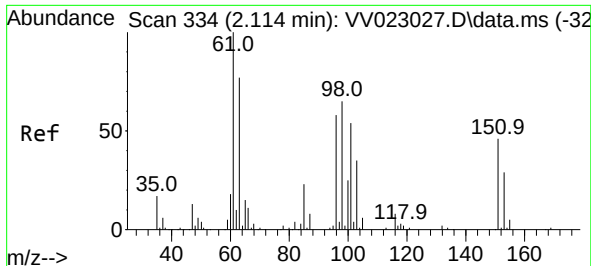
Tgt Ion: 94 Resp: 254
Ion Ratio Lower Upper
94 100
96 127.7 65.0 120.8#



#8
Chloroethane
Concen: 0.145 ug/L
RT: 1.307 min Scan# 83
Delta R.T. -0.277 min
Lab File: VV023039.D
Acq: 26 Oct 2021 15:16

Tgt Ion: 64 Resp: 701
Ion Ratio Lower Upper
64 100
66 205.0 22.1 41.1#





#12

1,1-Dichloroethene

Concen: 0.080 ug/L

RT: 2.111 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV023039.D

Acq: 26 Oct 2021 15:16

Instrument :

MSVOA_V

ClientSampleId :

BFGB4DL

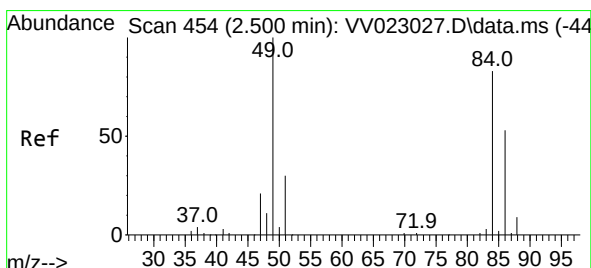
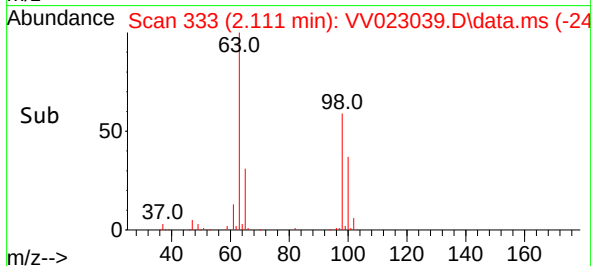
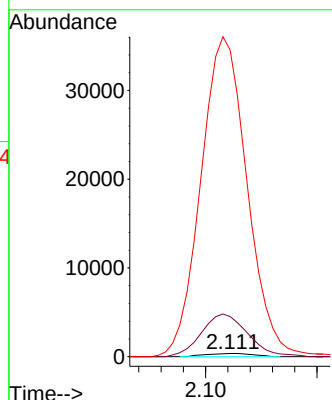
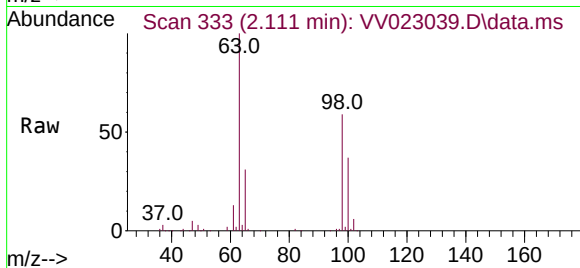
Tgt Ion: 96 Resp: 537

Ion Ratio Lower Upper

96 100

61 1221.6 121.5 225.7#

63 9319.7 99.6 185.0#



#16

Methylene chloride

Concen: 0.362 ug/L

RT: 2.510 min Scan# 457

Delta R.T. 0.009 min

Lab File: VV023039.D

Acq: 26 Oct 2021 15:16

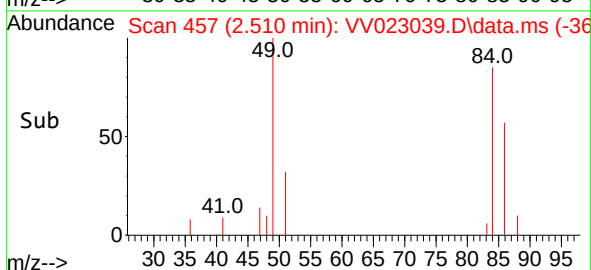
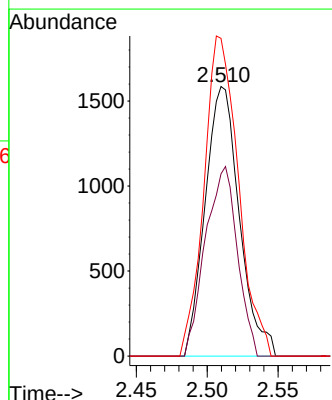
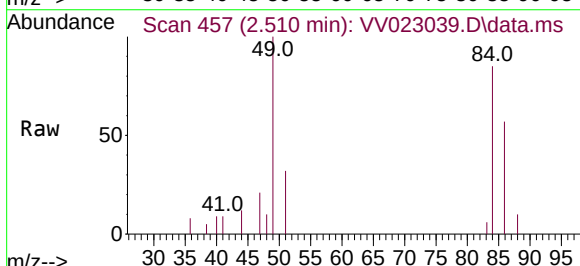
Tgt Ion: 84 Resp: 2662

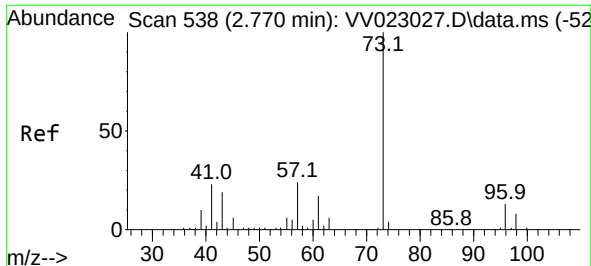
Ion Ratio Lower Upper

84 100

86 67.6 42.3 78.5

49 117.8 79.7 148.1

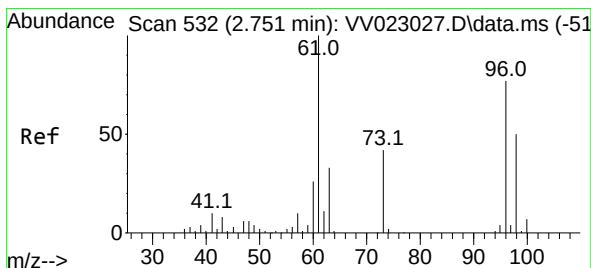
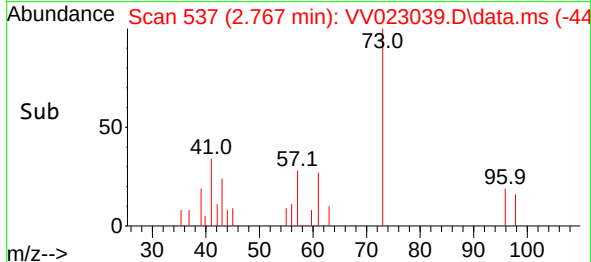
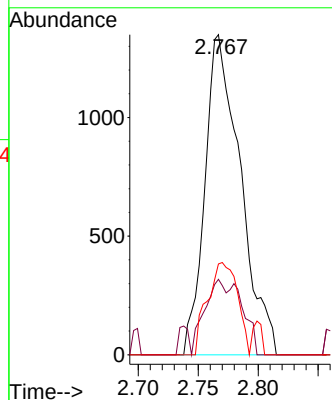
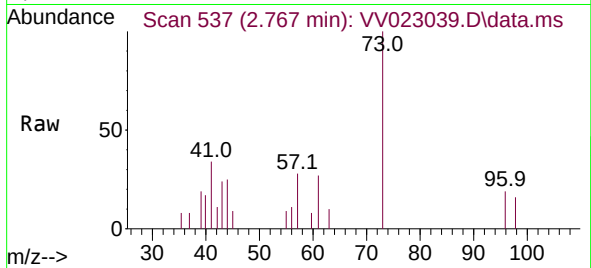




#17
Methyl tert-butyl Ether
Concen: 0.174 ug/L
RT: 2.767 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV023039.D
Acq: 26 Oct 2021 15:16

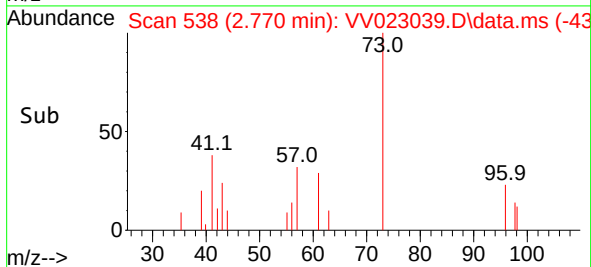
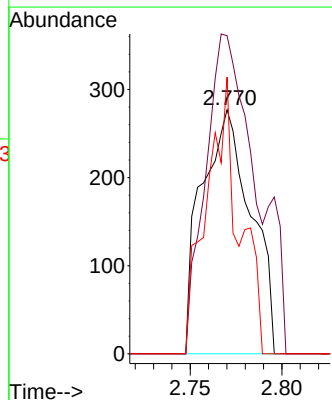
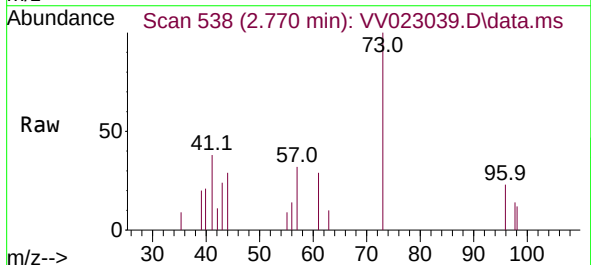
Instrument :
MSVOA_V
ClientSampleId :
BFG84DL

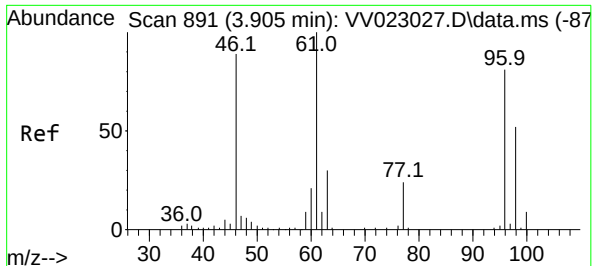
Tgt Ion: 73 Resp: 2776
Ion Ratio Lower Upper
73 100
43 14.2 17.4 26.0#
57 24.5 16.5 24.7



#18
trans-1,2-Dichloroethene
Concen: 0.072 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.019 min
Lab File: VV023039.D
Acq: 26 Oct 2021 15:16

Tgt Ion: 96 Resp: 517
Ion Ratio Lower Upper
96 100
61 130.3 93.2 173.2
98 113.4 47.0 87.2#





#22

cis-1,2-Dichloroethene

Concen: 6.380 ug/L

RT: 3.915 min Scan# 891

Delta R.T. 0.009 min

Lab File: VV023039.D

Acq: 26 Oct 2021 15:16

Instrument :

MSVOA_V

ClientSampleId :

BFG84DL

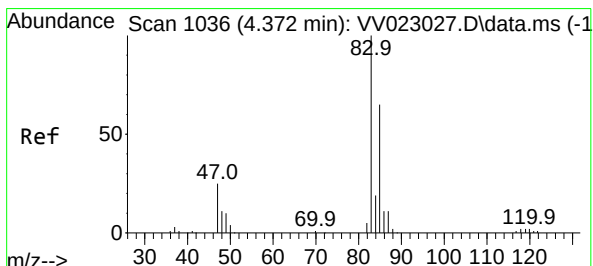
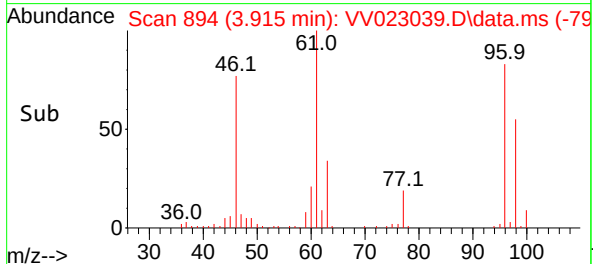
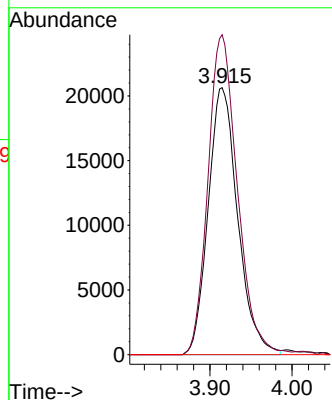
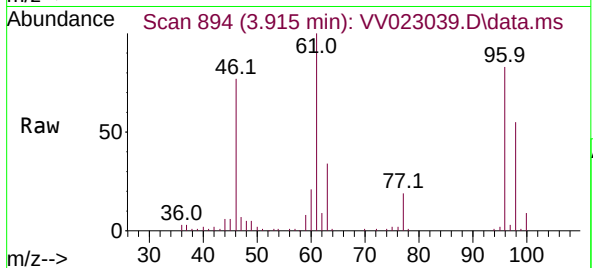
Tgt Ion: 96 Resp: 51686

Ion Ratio Lower Upper

96 100

61 119.8 92.3 171.3

68 0.0 0.4 0.8#



#25

Chloroform

Concen: 0.699 ug/L

RT: 4.381 min Scan# 1039

Delta R.T. 0.009 min

Lab File: VV023039.D

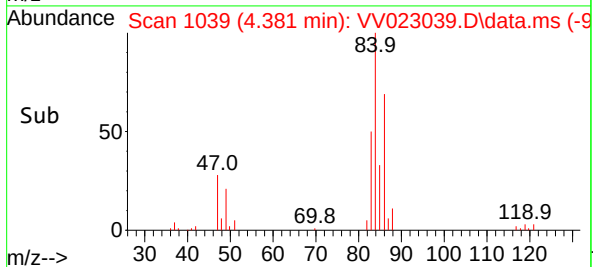
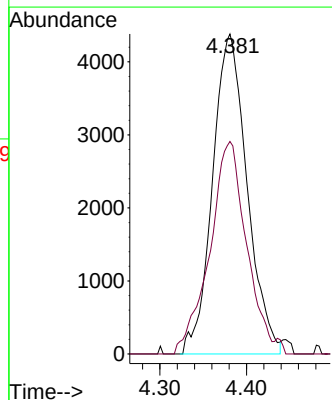
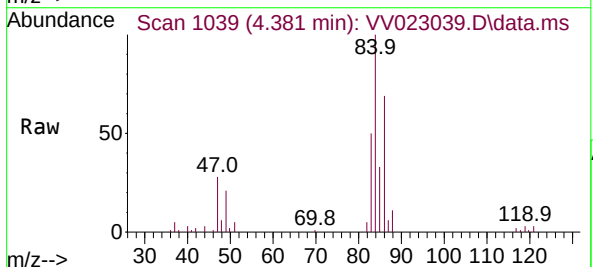
Acq: 26 Oct 2021 15:16

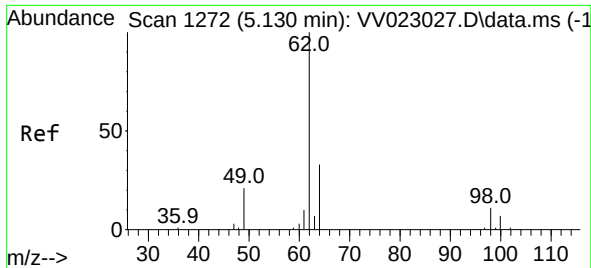
Tgt Ion: 83 Resp: 12133

Ion Ratio Lower Upper

83 100

85 66.4 46.8 86.8





#27

1,2-Dichloroethane

Concen: 0.144 ug/L

RT: 5.059 min Scan# 11

Delta R.T. -0.071 min

Lab File: VV023039.D

Acq: 26 Oct 2021 15:16

Instrument :

MSVOA_V

ClientSampleId :

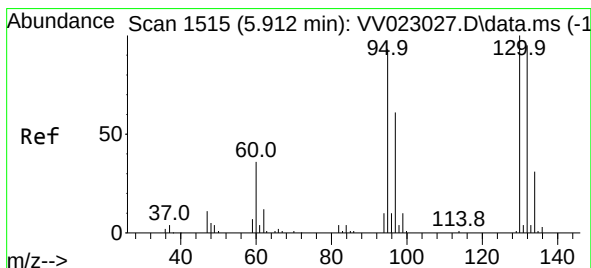
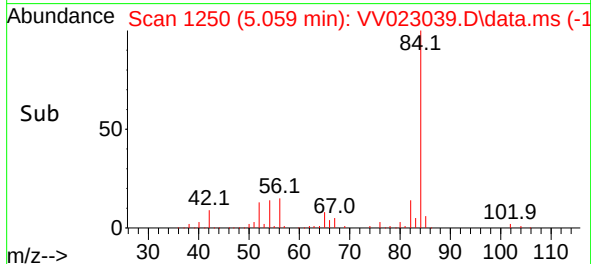
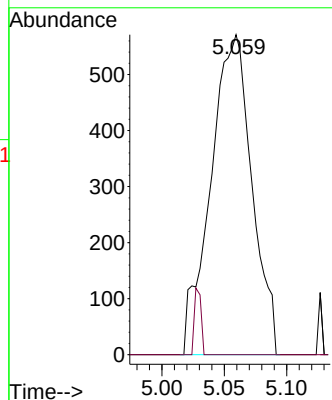
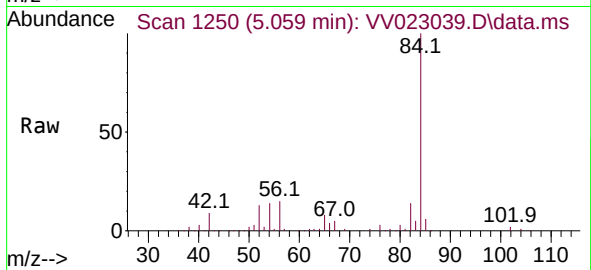
BFG84DL

Tgt Ion: 62 Resp: 1316

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#



#34

Trichloroethene

Concen: 0.580 ug/L

RT: 5.924 min Scan# 1519

Delta R.T. 0.013 min

Lab File: VV023039.D

Acq: 26 Oct 2021 15:16

Tgt Ion: 95 Resp: 5188

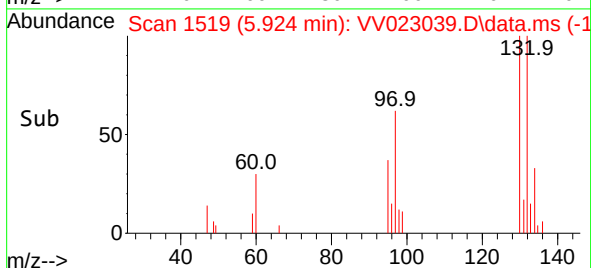
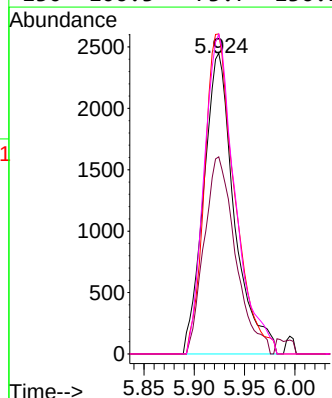
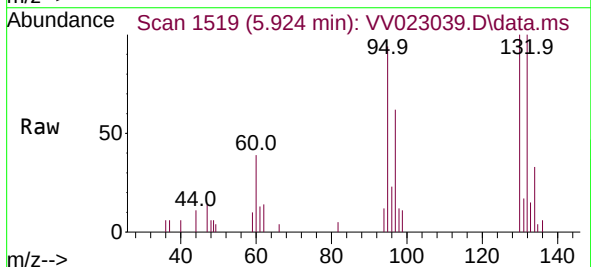
Ion Ratio Lower Upper

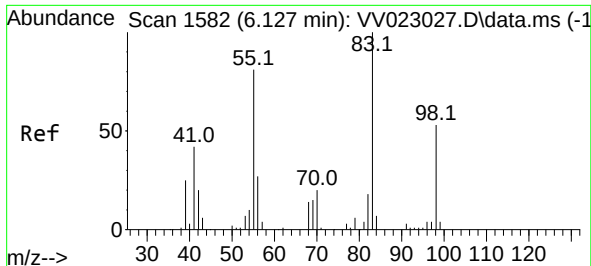
95 100

97 65.5 45.0 83.6

132 106.4 69.7 129.4

130 106.3 73.7 136.9

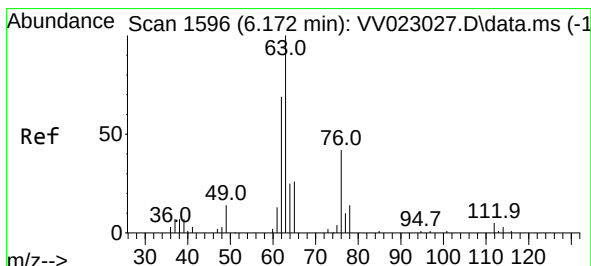
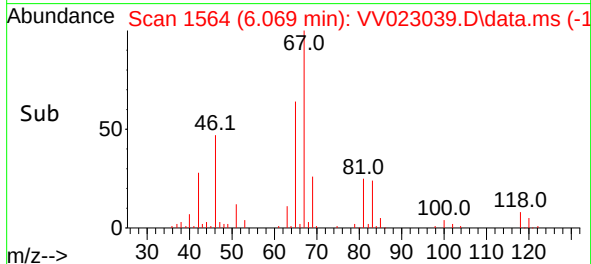
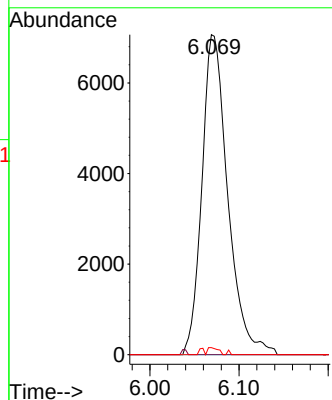
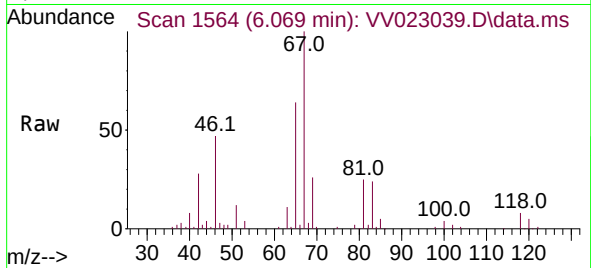




#35
Methylcyclohexane
Concen: 1.113 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.058 min
Lab File: VV023039.D
Acq: 26 Oct 2021 15:16

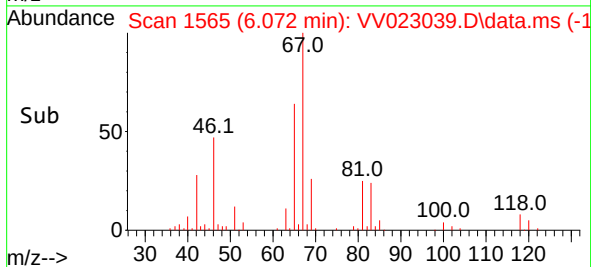
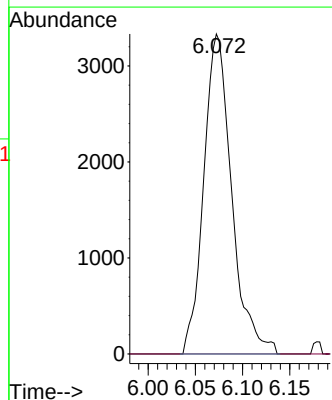
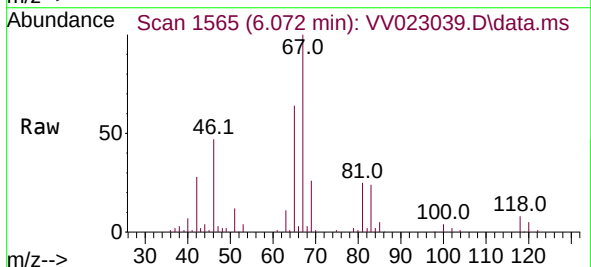
Instrument :
MSVOA_V
ClientSampleId :
BFGB4DL

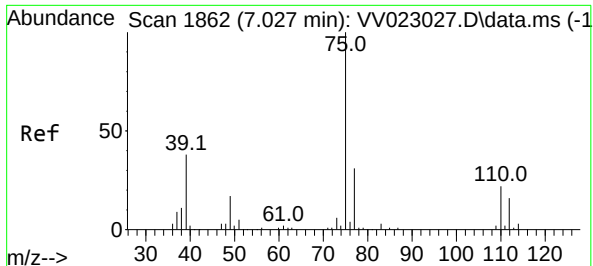
Tgt Ion: 83 Resp: 14266
Ion Ratio Lower Upper
83 100
55 0.0 62.8 94.2#
98 0.9 37.9 56.9#



#37
1,2-Dichloropropane
Concen: 0.763 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.100 min
Lab File: VV023039.D
Acq: 26 Oct 2021 15:16

Tgt Ion: 63 Resp: 6853
Ion Ratio Lower Upper
63 100
112 0.9 4.6 6.8#





#39

cis-1,3-Dichloropropene

Concen: 0.113 ug/L

RT: 6.992 min Scan# 11

Delta R.T. -0.036 min

Lab File: VV023039.D

Acq: 26 Oct 2021 15:16

Instrument :

MSVOA_V

ClientSampleId :

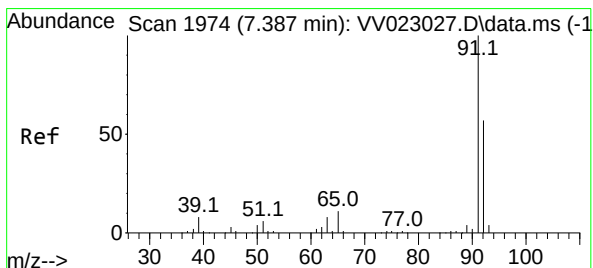
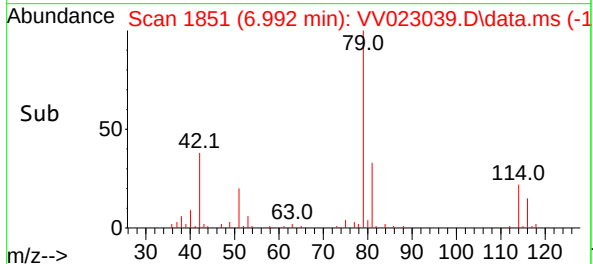
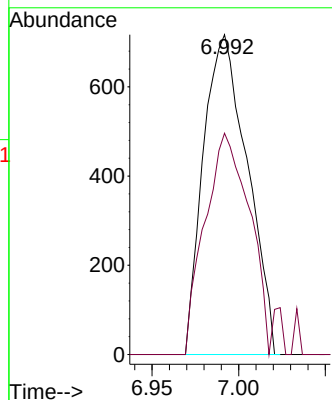
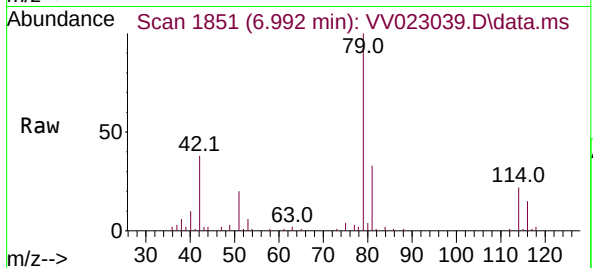
BFGB4DL

Tgt Ion: 75 Resp: 1264

Ion Ratio Lower Upper

75 100

77 69.2 21.6 40.2#



#42

Toluene

Concen: 0.196 ug/L

RT: 7.397 min Scan# 1977

Delta R.T. 0.009 min

Lab File: VV023039.D

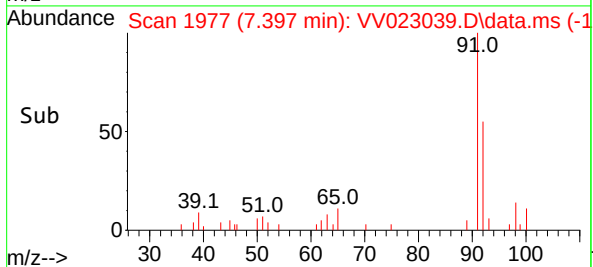
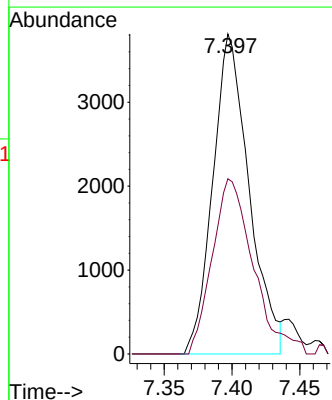
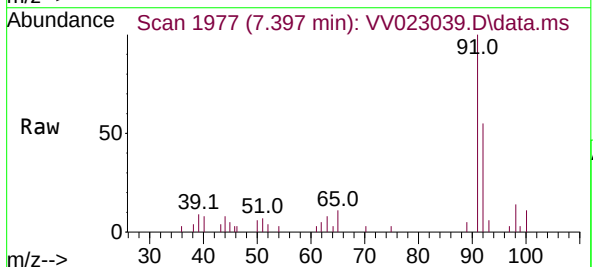
Acq: 26 Oct 2021 15:16

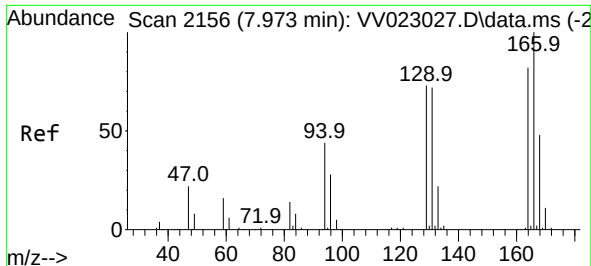
Tgt Ion: 91 Resp: 7080

Ion Ratio Lower Upper

91 100

92 54.7 39.3 72.9





#47

Tetrachloroethene

Concen: 0.800 ug/L

RT: 7.979 min Scan# 2156

Delta R.T. 0.006 min

Lab File: VV023039.D

Acq: 26 Oct 2021 15:16

Instrument :

MSVOA_V

ClientSampleId :

BFGB4DL

Tgt Ion:164 Resp: 6045

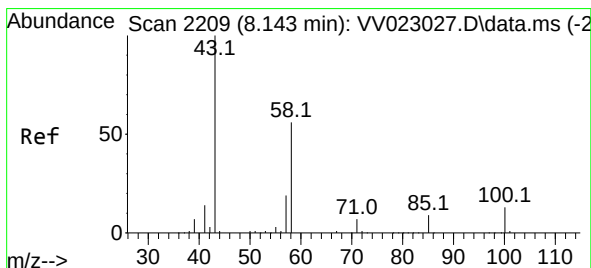
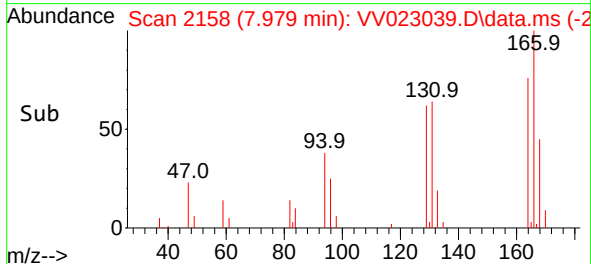
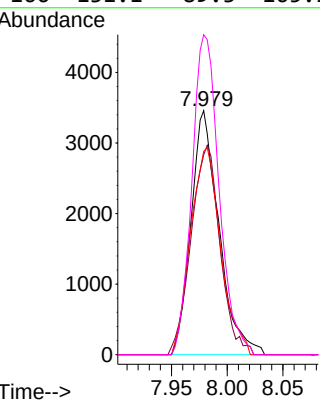
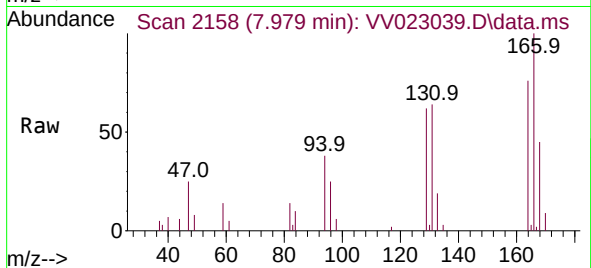
Ion Ratio Lower Upper

164 100

129 81.9 64.0 119.0

131 83.3 63.4 117.8

166 131.1 89.3 165.9



#48

2-Hexanone

Concen: 1.641 ug/L

RT: 8.152 min Scan# 2212

Delta R.T. 0.009 min

Lab File: VV023039.D

Acq: 26 Oct 2021 15:16

Tgt Ion: 43 Resp: 5149

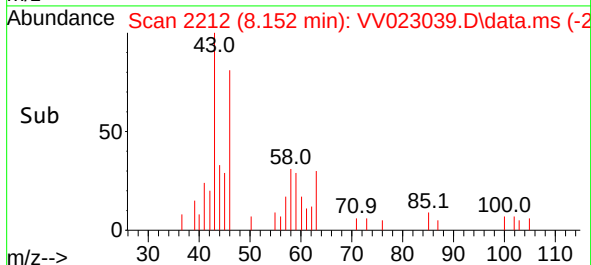
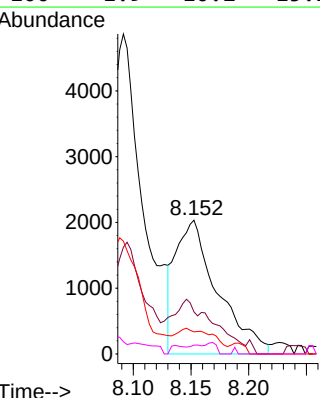
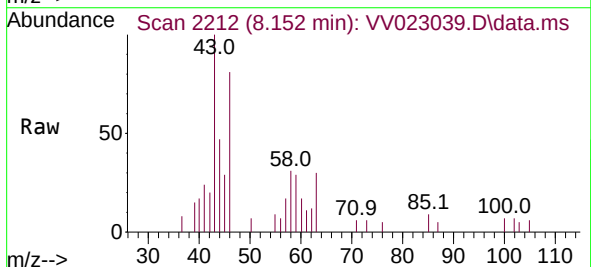
Ion Ratio Lower Upper

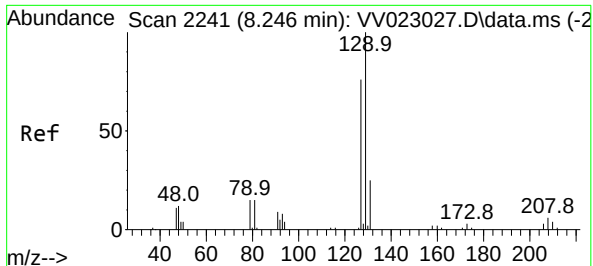
43 100

58 41.6 43.7 65.5#

57 16.5 14.1 21.1

100 1.9 10.2 15.2#

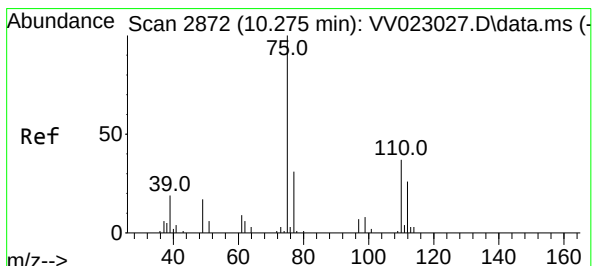
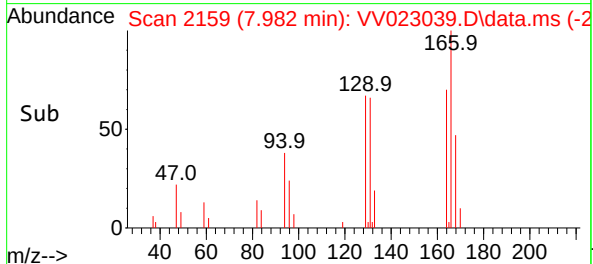
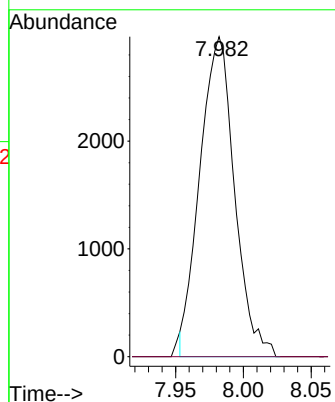
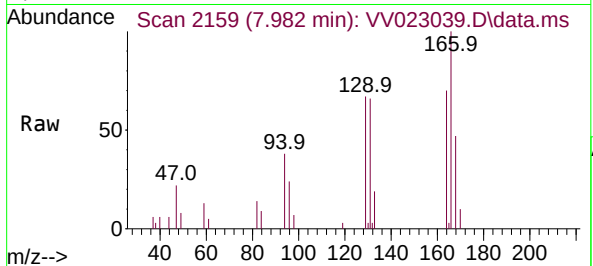




#49
Dibromochloromethane
Concen: 0.707 ug/L
RT: 7.982 min Scan# 2159
Delta R.T. -0.264 min
Lab File: VV023039.D
Acq: 26 Oct 2021 15:16

Instrument :
MSVOA_V
ClientSampleId :
BFG84DL

Tgt Ion:129 Resp: 5284
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#



#61
1,2,3-Trichloropropane
Concen: 1.494 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.974 min
Lab File: VV023039.D
Acq: 26 Oct 2021 15:16

Tgt Ion: 75 Resp: 6079
Ion Ratio Lower Upper
75 100
77 27.7 26.6 39.8
110 3.7 31.8 47.6#

